MI Startup (DRAFT)

Power Supply Startup:

•Clear bus and Hipot.
•Main PS commissioning (New wide aperture quads).
•Establish ramps, slow magnet warm up.
•Beamline PS turn on and commissioning.

Beam Startup:

•Establish 8 Gev. beam. 6 Hours.
•MI8 line lattice measurements. 2x4 Hours.
•Establish 120 Gev. beam. Smooth orbits. 8 Hours.
•Commission lattice with new wide aperture quads 16 Hours.
•High field Orbit smoothing (quad moves). 16 Hours.
•Tune Up for Operation. 8 Hours.
•Extraction line tune up. 4 hours each (7).

Startup Activities and Studies :

•Coalescing.
•Damper commissioning.
•SY 120
•8 Gev collimators
•Install and commission new MI8 BPM electronics.
•Install and commission new MI BPM electronics.
•Install and commission new BLM electronics.
•Test software programs with Linux.
•Lambertson aperture scans.

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Beam Startup for users:

- Establish 8 Gev. beam. Tune abort. 6 Hours.
- MI8 line lattice measurements. 4 Hours.
- Accelerate beam to 120 Gev and 150 Gev. Tune abort. 8 hours
- Tune up 8 Gev beam to Accumulator, and RR. 8 hours
- High field Orbit smoothing (quad moves). 16 Hours.
- Verify quad moves and smooth 120 Gev and 150 Gev orbits. 4 hours
- Commission lattice with new wide aperture quads. 16 Hours.
- Tune Up for Operation. 8 Hours.
- Tune up 120 Gev beam to Pbar target. 4 hours
- Tune up 120 Gev beam to NuiMi target. 4 hours
- Tune up 150 Gev beam to and from Tevatron. 8 hours.